

FIG.1

10

| | | | |
|--|--|--|----|
| SCHEDULED DELIVERY DATE (SCHEDULED DELIVERY PERIOD) | SCHEDULED DELIVERY DATE (SCHEDULED DELIVERY PERIOD) | SCHEDULED DELIVERY DATE (SCHEDULED DELIVERY PERIOD) | 12 |
| REQUIRED QUANTITY | REQUIRED QUANTITY | | 13 |
| 11 | 11 | 11 | |

FIG.3

30

SCHEDULED DELIVERY DATE (b)

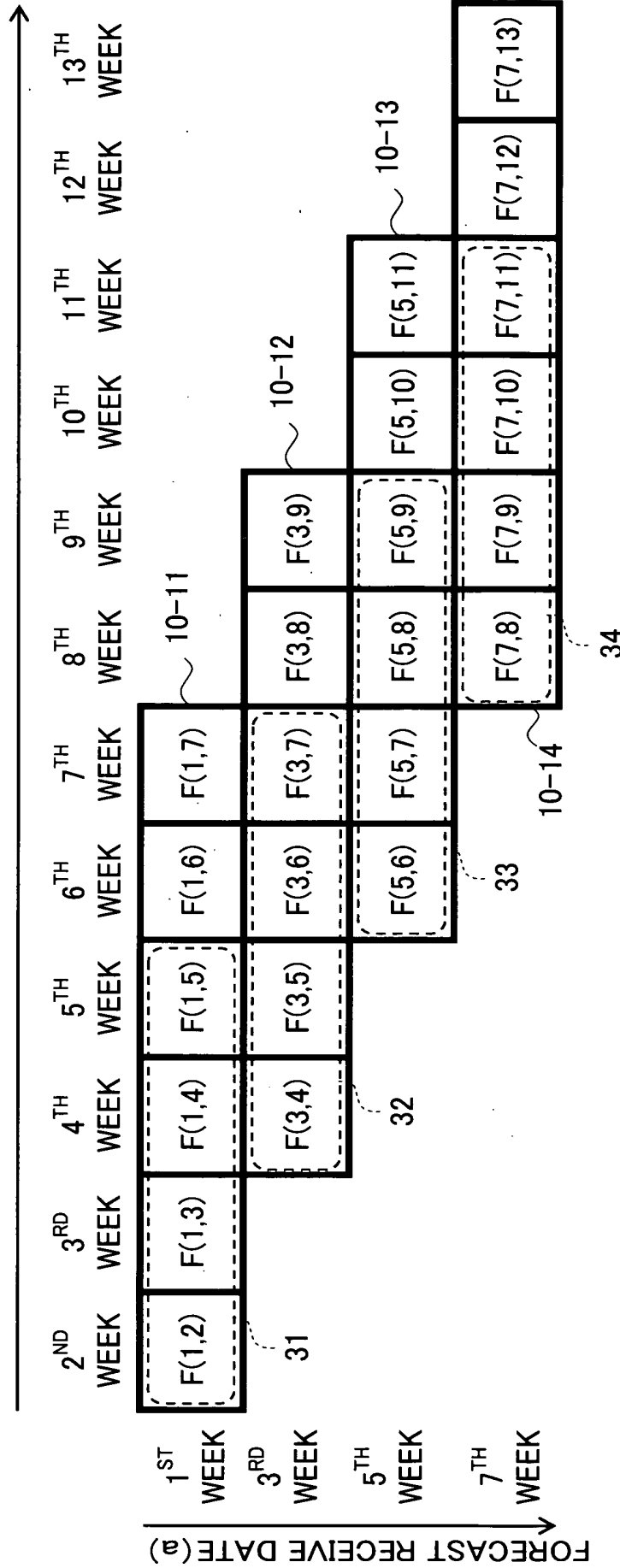


FIG.4

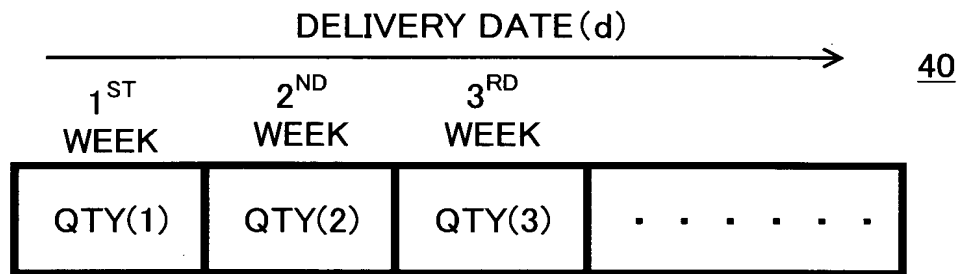


FIG.5

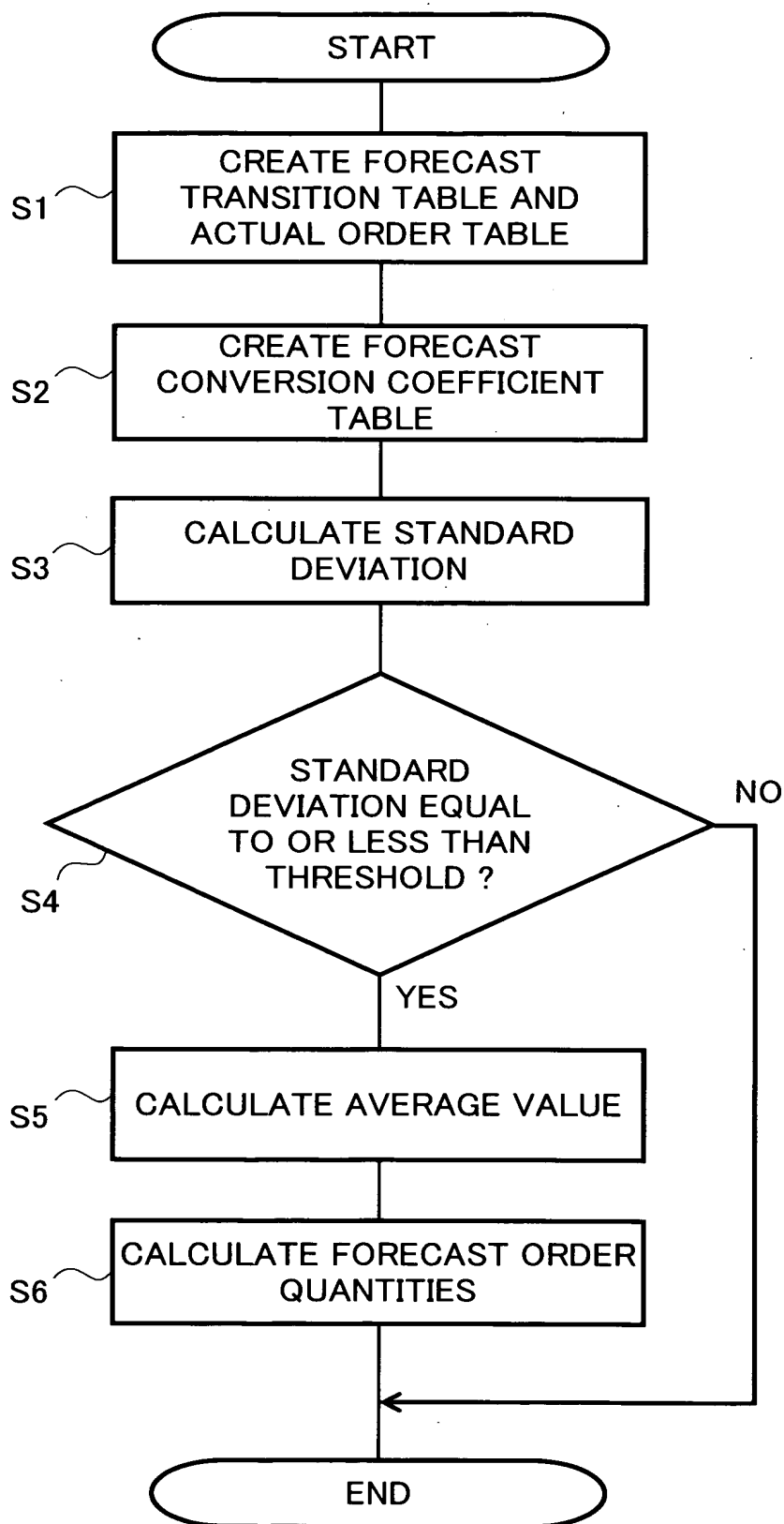


FIG.6

50

FORECAST LT (c)

| | | 1 WEEK | 2 WEEKS | 3 WEEKS | 4 WEEKS |
|---------------------------|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| FORECAST RECEIVE DATE (a) | 51 1 ST WEEK | $\frac{QTY(2)}{F(1,2)}$ | $\frac{QTY(3)}{F(1,3)}$ | $\frac{QTY(4)}{F(1,4)}$ | $\frac{QTY(5)}{F(1,5)}$ |
| | 2 ND WEEK | $\frac{QTY(3)}{F(2,3)}$ | $\frac{QTY(4)}{F(2,4)}$ | $\frac{QTY(5)}{F(2,5)}$ | $\frac{QTY(6)}{F(2,6)}$ |
| | 3 RD WEEK | $\frac{QTY(4)}{F(3,4)}$ | $\frac{QTY(5)}{F(3,5)}$ | $\frac{QTY(6)}{F(3,6)}$ | $\frac{QTY(7)}{F(3,7)}$ |
| | 4 TH WEEK | $\frac{QTY(5)}{F(4,5)}$ | $\frac{QTY(6)}{F(4,6)}$ | $\frac{QTY(7)}{F(4,7)}$ | $\frac{QTY(8)}{F(4,8)}$ |
| | 5 TH WEEK | $\frac{QTY(6)}{F(5,6)}$ | $\frac{QTY(7)}{F(5,7)}$ | $\frac{QTY(8)}{F(5,8)}$ | $\frac{QTY(9)}{F(5,9)}$ |

52

FIG.7

| | | FORECAST LT(c) | | |
|---------------------------|-------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | | 1 WEEK ~ 2 WEEKS | 2 WEEKS ~ 3 WEEKS | 3 WEEKS ~ 4 WEEKS |
| FORECAST RECEIVE DATE (a) | 61 1 ST WEEK | $\frac{QTY(2)+QTY(3)}{F(1,2)+F(1,3)}$ | $\frac{QTY(3)+QTY(4)}{F(1,3)+F(1,4)}$ | $\frac{QTY(4)+QTY(5)}{F(1,4)+F(1,5)}$ |
| | 62 2 ND WEEK | $\frac{QTY(3)+QTY(4)}{F(2,3)+F(2,4)}$ | $\frac{QTY(4)+QTY(5)}{F(2,4)+F(2,5)}$ | $\frac{QTY(5)+QTY(6)}{F(2,5)+F(2,6)}$ |
| | 63 3 RD WEEK | $\frac{QTY(4)+QTY(5)}{F(3,4)+F(3,5)}$ | $\frac{QTY(5)+QTY(6)}{F(3,5)+F(3,6)}$ | $\frac{QTY(6)+QTY(7)}{F(3,6)+F(3,7)}$ |
| | 64 4 TH WEEK | $\frac{QTY(5)+QTY(6)}{F(4,5)+F(4,6)}$ | $\frac{QTY(6)+QTY(7)}{F(4,6)+F(4,7)}$ | $\frac{QTY(7)+QTY(8)}{F(4,7)+F(4,8)}$ |
| | 65 5 TH WEEK | $\frac{QTY(6)+QTY(7)}{F(5,6)+F(5,7)}$ | $\frac{QTY(7)+QTY(8)}{F(5,7)+F(5,8)}$ | $\frac{QTY(8)+QTY(9)}{F(5,8)+F(5,9)}$ |

FIG.8

70

FORECAST LT(c)

| | 1 WEEK ~ 4 WEEKS | 2 WEEKS ~ 5 WEEKS | 3 WEEKS ~ 6 WEEKS |
|-------------------------------|---|---|---|
| 71 1 ST WEEK | $\frac{QTY(2) \sim QTY(5)}{F(1,2) \sim F(1,5)}$ | $\frac{QTY(3) \sim QTY(6)}{F(1,3) \sim F(1,6)}$ | $\frac{QTY(4) \sim QTY(7)}{F(1,4) \sim F(1,7)}$ |
| 72 3 RD WEEK | $\frac{QTY(4) \sim QTY(7)}{F(3,4) \sim F(3,7)}$ | $\frac{QTY(5) \sim QTY(8)}{F(3,5) \sim F(3,8)}$ | $\frac{QTY(6) \sim QTY(9)}{F(3,6) \sim F(3,9)}$ |
| 73 5 TH WEEK | $\frac{QTY(6) \sim QTY(9)}{F(5,6) \sim F(5,9)}$ | $\frac{QTY(7) \sim QTY(10)}{F(5,7) \sim F(5,10)}$ | $\frac{QTY(8) \sim QTY(11)}{F(5,8) \sim F(5,11)}$ |
| 74 7 TH WEEK | $\frac{QTY(8) \sim QTY(11)}{F(7,8) \sim F(7,11)}$ | $\frac{QTY(9) \sim QTY(12)}{F(7,9) \sim F(7,12)}$ | $\frac{QTY(10) \sim QTY(13)}{F(7,10) \sim F(7,13)}$ |

FORECAST RECEIVE DATE (a)

FIG.9

| | | | | | |
|-----------------------|----------------|---------|---------|---------|-----------|
| | FORECAST LT(c) | | | | <u>80</u> |
| | 1 WEEK | 2 WEEKS | 3 WEEKS | 4 WEEKS | |
| STANDARD DEVIATION | s(1) | s(2) | s(3) | s(4) | |

FIG.10

| | | | | |
|-----------------------|----------------|-----------|-----------|-----------|
| | FORECAST LT(c) | | | <u>90</u> |
| | 1 WEEK | 2 WEEKS | 3 WEEKS | |
| | ~ 2 WEEKS | ~ 3 WEEKS | ~ 4 WEEKS | |
| STANDARD DEVIATION | s(1-2) | s(2-3) | s(3-4) | |

FIG.11

| | | | | |
|-----------------------|----------------|-----------|-----------|------------|
| | FORECAST LT(c) | | | <u>100</u> |
| | 1 WEEK | 2 WEEKS | 3 WEEKS | |
| | ~ 4 WEEKS | ~ 5 WEEKS | ~ 6 WEEKS | |
| STANDARD DEVIATION | s(1-4) | s(2-5) | s(3-6) | |

FIG.12

| | | | | | |
|------------------|----------------|---------|---------|---------|------------|
| | FORECAST LT(c) | | | | <u>110</u> |
| | 1 WEEK | 2 WEEKS | 3 WEEKS | 4 WEEKS | |
| AVERAGE VALUE | Ave(1) | Ave(2) | Ave(3) | Ave(4) | |

FIG.13

| | | | | |
|------------------|---------------------|----------------------|----------------------|------------|
| | FORECAST LT(c) | | | <u>120</u> |
| | 1 WEEK ~ 2 WEEKS | 2 WEEKS ~ 3 WEEKS | 3 WEEKS ~ 4 WEEKS | |
| AVERAGE VALUE | Ave(1-2) | Ave(2-3) | Ave(3-4) | |

FIG.14

| | | | | |
|------------------|---------------------|----------------------|----------------------|------------|
| | FORECAST LT(c) | | | <u>130</u> |
| | 1 WEEK ~ 4 WEEKS | 2 WEEKS ~ 5 WEEKS | 3 WEEKS ~ 6 WEEKS | |
| AVERAGE VALUE | Ave(1-4) | Ave(2-5) | Ave(3-6) | |

FIG.15

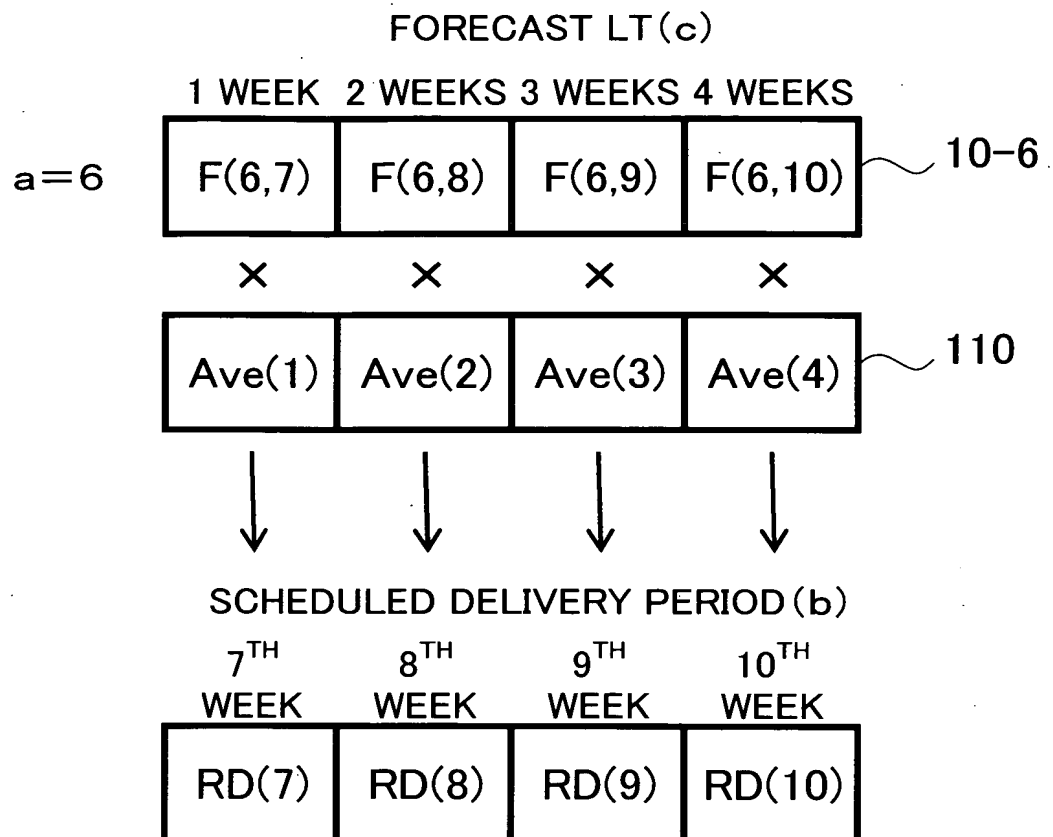


FIG.16

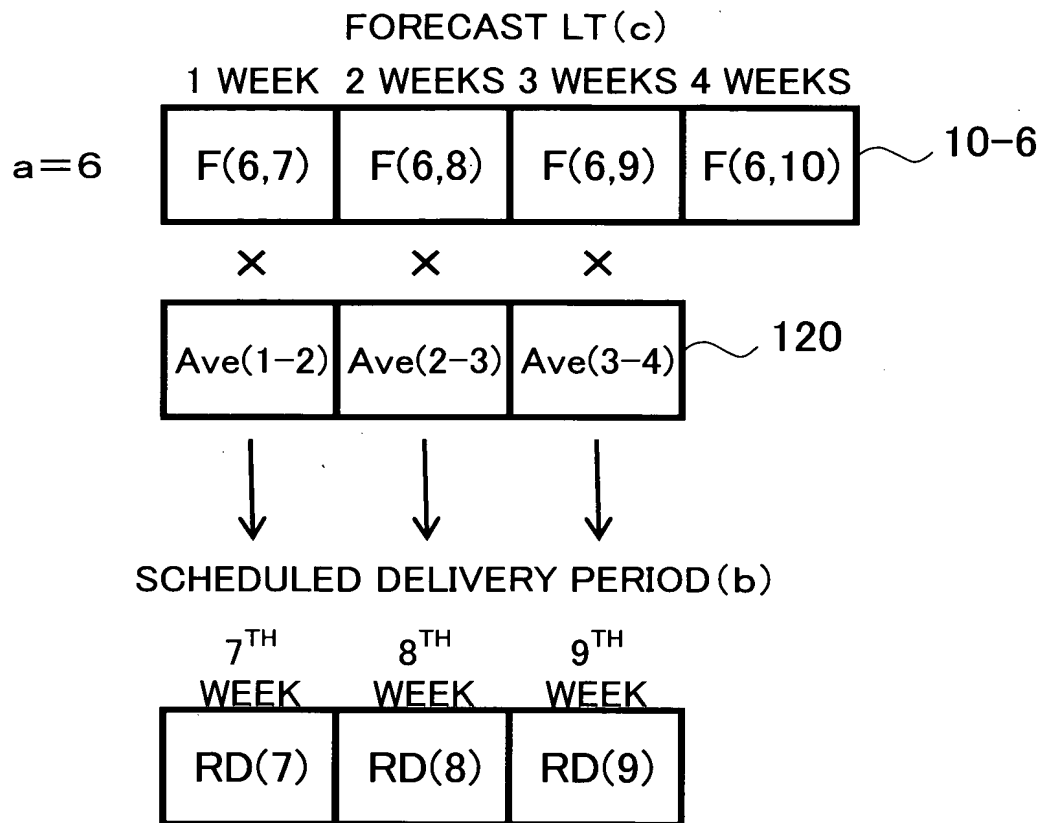


FIG.17

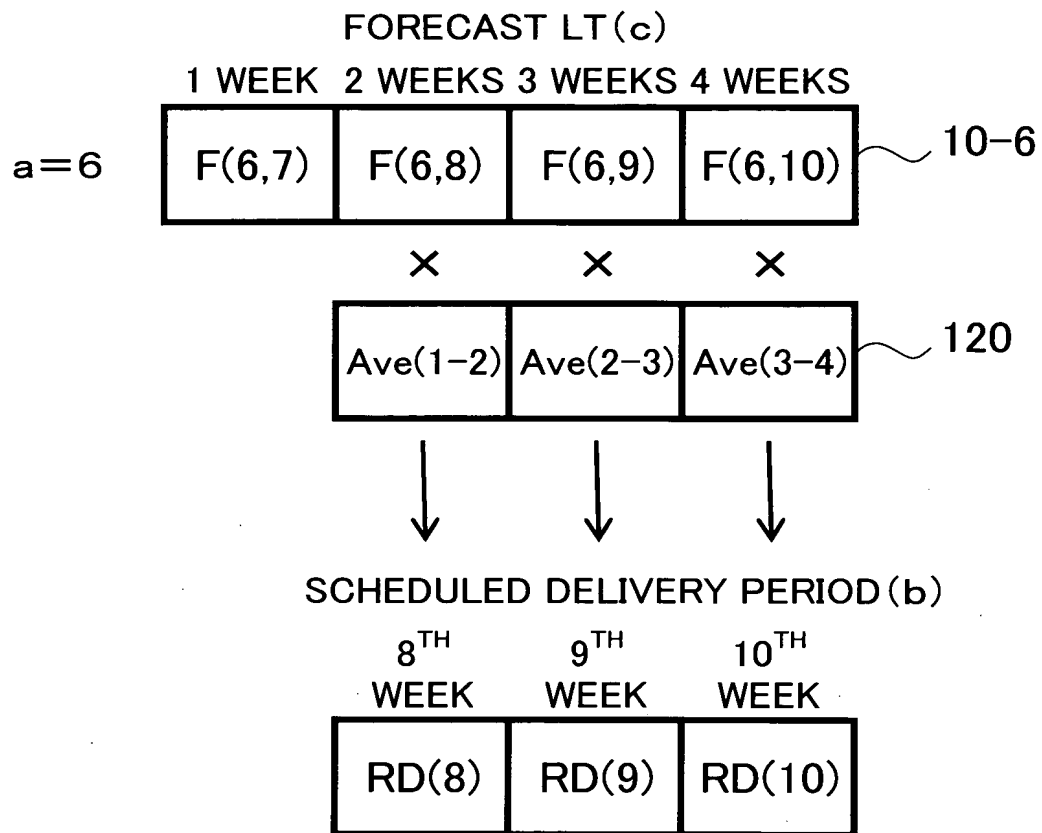


FIG.18

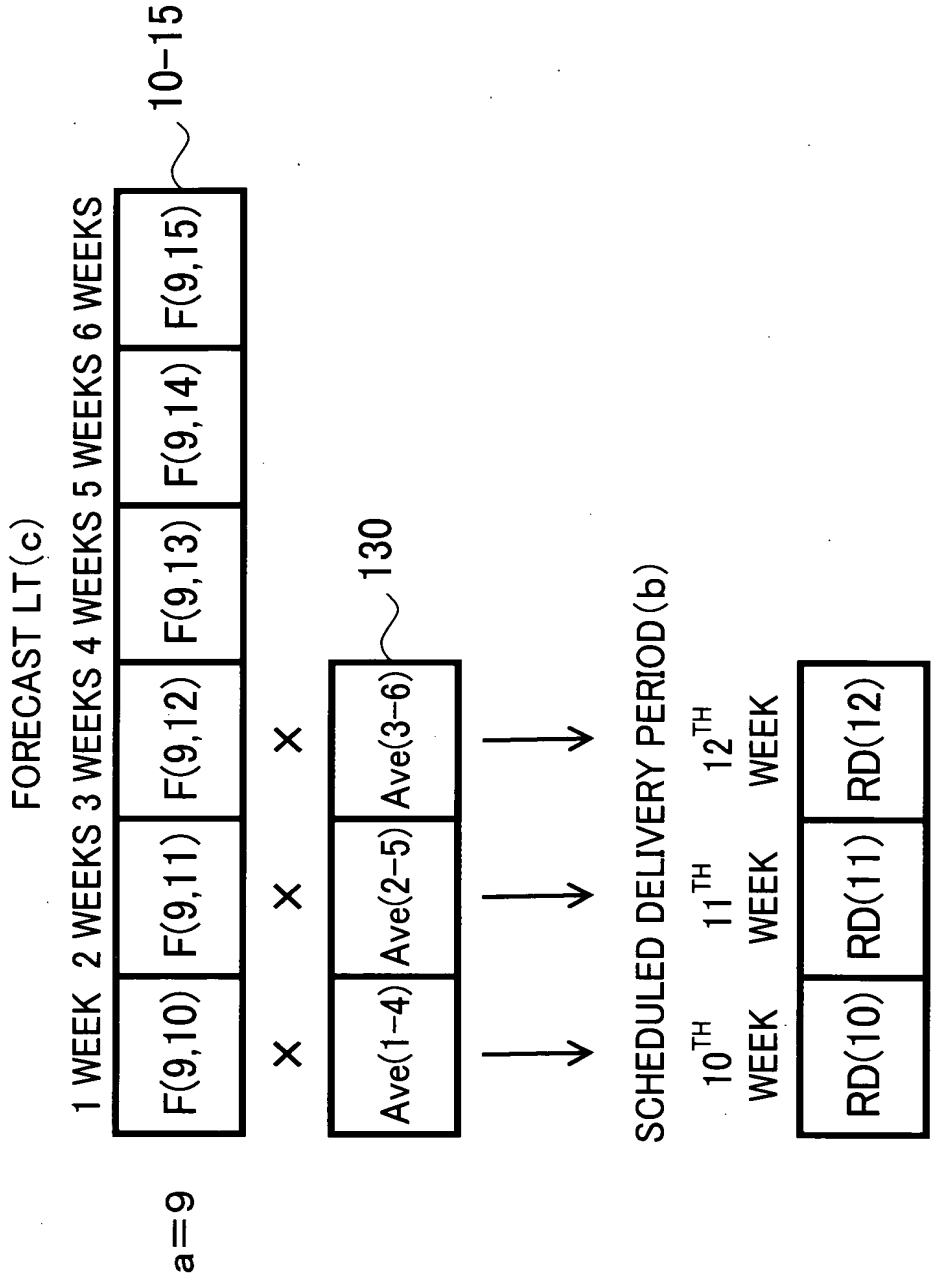


FIG.19

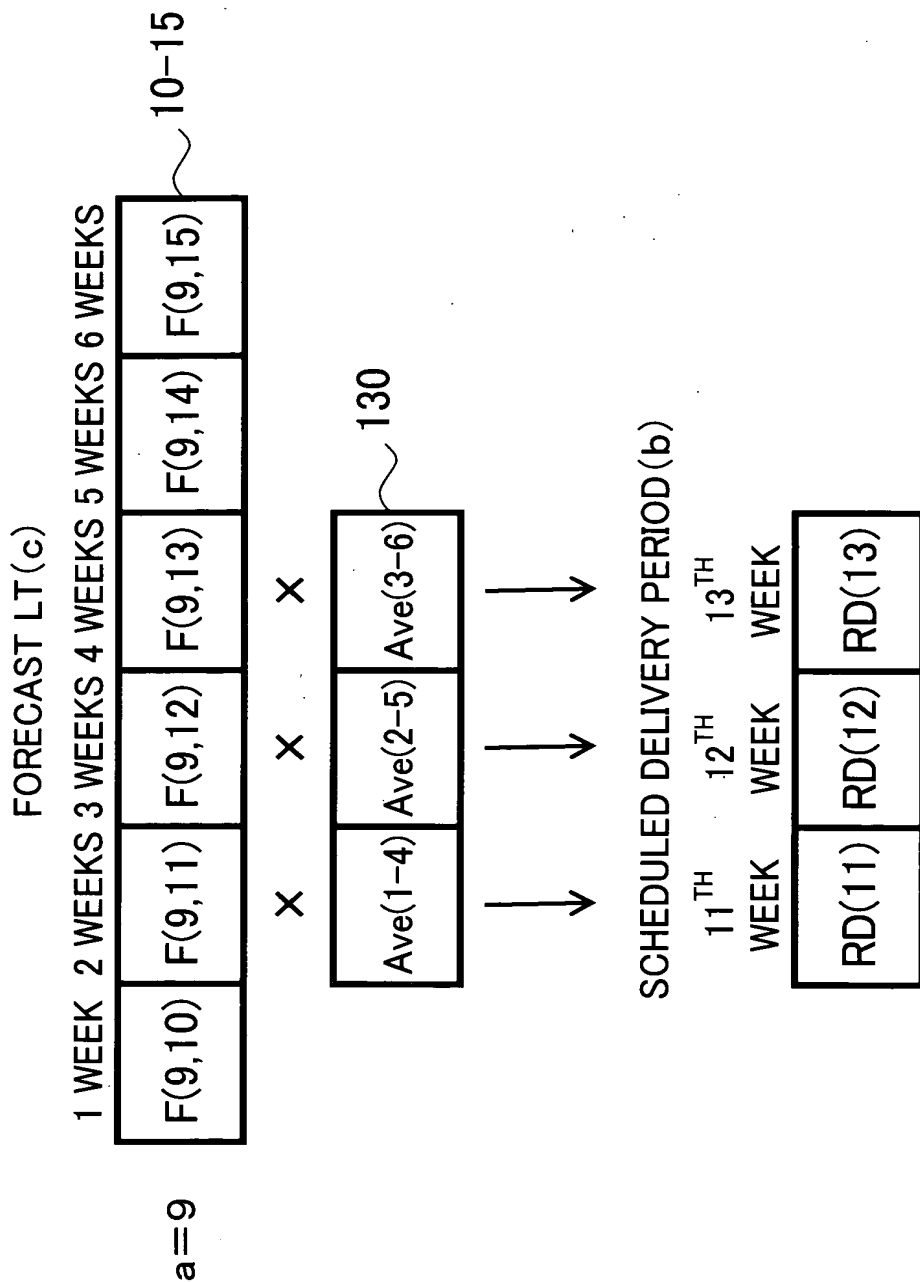


FIG.20

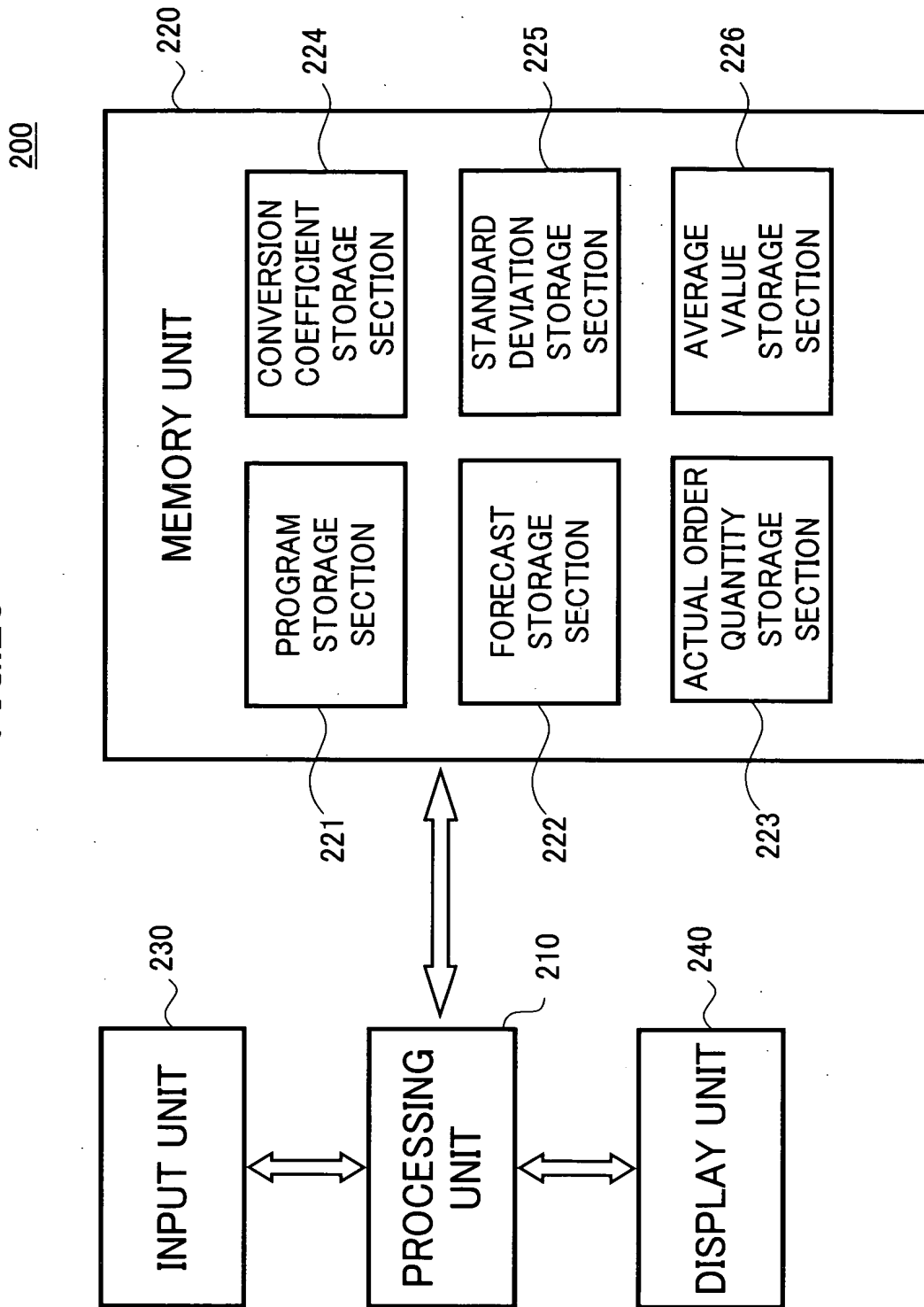


FIG.21

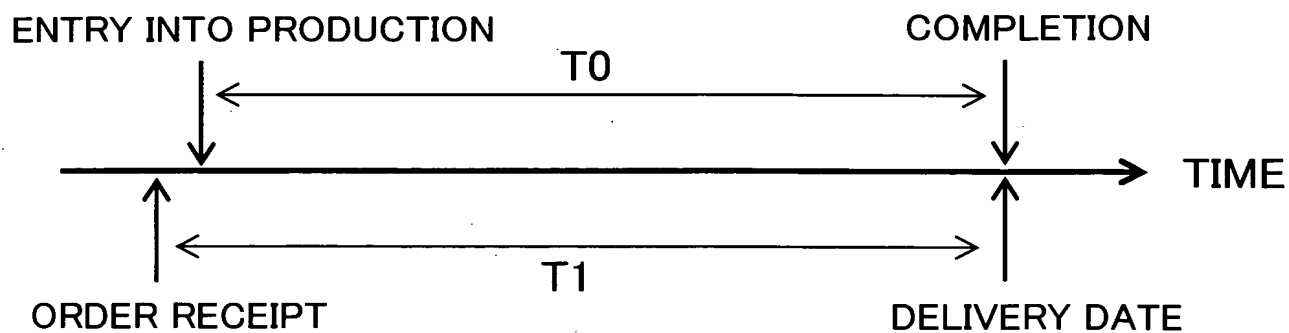


FIG.22

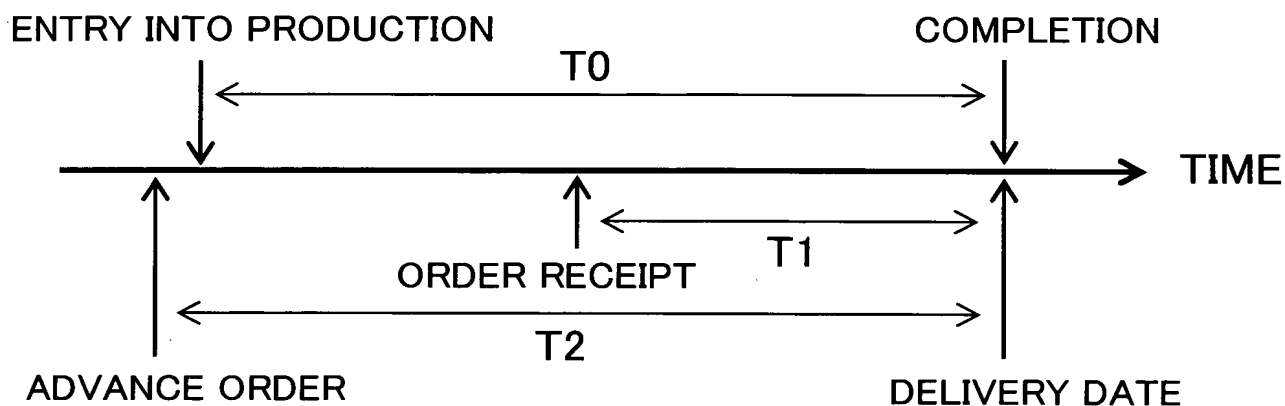


FIG.23

